KC 12-16-10

Amendments to the Specification

Please amend the specification as follows.

On Page 6, Lines ~~4-5~~ 3 7:

KC 12-16-10

In the complex membrane, it is preferred that the micro-porous polyolefin membrane is a membrane having at least one layer composed of polyethylene polymer and/or ~~polyethylene~~ polypropylene polymer, and the micro-porous polyolefin membrane preferably has a thickness of 5 to 50 μm and a porosity of 30 to 80%.

On Page ~~8~~ 7, Line ~~12~~ 18:

KC 12-16-10

The complex membrane for an electrochemical device according to the present invention has a micro-porous polyolefin membrane, which plays a role of supporting strength of the complex membrane. The first thing required as a strength support layer is a mechanical strength. That is to say, a perforation or puncture strength should be great in order to prevent short-circuit of anode and cathode, a tensile strength should be great to increase a battery manufacturing process rate, and a heat distortion of the membrane such as thermal shrinkage should be small. In addition, considering the stability problem such as explosion of the battery, the membrane is preferably configured as a support body to have a shutdown function so that pores may be closed at a specific temperature. Here, the term `shutdown function` is a means for controlling thermal runaway which may be caused by physical damage of the battery, short due to internal defects or overcharging, or the like. By using the shutdown function, most of the pores are closed at a specific temperature (90 to 120°C.), thereby blocking ion or current flow. As a material for forming the membrane